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ATTY. DOCKET NO.: 1038-1153 MIS:ac

SERIAL NO.: 09/857,305

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT:

Robert C. Brunham, et al.

FILING DATE December 2, 1999 GROUP

U.S. PATENT DOCUMENTS

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*INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCL.	FILING DATE
1455	5,770,714	23/06/98	Agabian et al	536	23.1	
	5,389,368	14/02/95	Gurtiss, III			
	5,629,167	13/04/97	Ratti			
	5,869,608	09/02/99	Caldwell et al			
	6,024,961	15/02/00	Curtiss, III et al			
KKI	6,001,372	14/12/99	DeMars et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCL.	TRAN:	SLATION
1655		EP 0192033	27/08/86	EPO			YES	NO.
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		WO 98/02546 🗸	22/01/98	PCT				
		WO 97/06263	20/02/97	PCT				
		WO 95/12411	05/11/95	PCT	7			
		WO 94/26900	24/11/94	PCT			•	
		WO 94/21291	09/29/94	PCT	1/			
1051		WO 98/48026	29/10/98	PCT	7			
-		OTHER DOCU	MENTS (Includin	g Author, Title, Date, Pe	ertinent Pages	, Etc.)		
زد۶۶	1	Grayston, J.T. and S Infect. Dis., 132: 87-		5. New knowledge of c	chlamydiae ar	nd the disea	ses they c	ause. J.
	2	Grayston, J.T., SP. pathogenesis of trac		h, and CC. Kuo. 198 ct. Dis. 7:717-725.	5. Importance	of reinfection	on in the	
	3*	Taylor, H.R., et al., Opthalmol, Visual. S		del of Trachema. II. Ti	he importance	e of repeated	d infection	. Invest.
	4*	Taylor, H.R., et al. 1	981. An Animal	Model for Cicatrizing T	rachoma. Inv	est. Opthalr	nol. Sci. 2	1:422-433.
	5*	Caldwell, H.D., et al. 1987. Tear and serum antibody response to chlamydia trachomatis antigens during acute chlamydial conjunctivitis in monkeys as determined by immunoblotting. Infect. Immun. 55:93-98.						
100	6	Wang, SP., et al., Dis. 152:791-800. و		ping of <i>Chlamydia trac</i>	chomatis with	monoclonal	antibodies	s. J. Infect.
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		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
KM	7	Nichols, R.L., et al., 1973. Immunity to chlamydial infections of the eye. VI. Homologous neutralization of trachoma infectivity for the owl monkey conjunctivae by eye secretions from humans with trachoma. J. Infect. Dis. 127:429-432.					
	8	Orenstein, N.S., et al., 1973. Immunity to chlamydial infections of the eye V. Passive transfer of antitrachoma antibodies to owl monkeys. Infect. Immun. 7:600-603. ø					
	9	Ramsey, KH, et al., (Mar. 1991) Resolution of Chlamydia Genital Infection with Antigen-Specific T Lymphocyte Lines. Infect. and Immun. 59:925-931.					
	10	Magee, DM, et al., (1995). Role of CD8 T Cells in Primary Chlamydia Infection. Infect. Immun. Feb. 1995. 63:516-521.					
	11	Su, H. and Caldwell, HD., (1995) CD4+ T Cells Play a Significant Role in Adoptive Immunity to Chlamydia trachomatis Infection of the Mouse Genital Tract. Infect. Immun. Sept. 1995, 63: 3302-3308.					
	12	Beatty, PR., and Stephens RS., (1994) CD8+ T Lymphocyte-Mediated Lysis of <i>Chlamydia</i> -Infected L Cells Using an Endogenous Antigen Pathway., Journal of Immun. 1994, 153:4588. ¿					
	13	Starnbach, MN., Bevan, MJ. and Lampe, MF. (1994), Protective Cytotoxic T. Lymphocytes are Induced During Murine Infection with <i>Chlamydia trachomatis</i> , Journal of Immun. 1994, 153:5183-5189.					
	14	Starnbach, MN, Bevan, MJ. And Lampe, MF., (1995), Murine Cytotoxic T. Lymphocytes Induced Following Chlamydia trachomatis Intraperitonal or Genital Tract Infection Respond to Cells Infected with Multiple Serovars., Infect. & Immun. Sept. 1995, 63:3527-3530.					
	15	Igietseme, JU, (1996), Molecular mechanism of T-cell control of <i>Chlamydia</i> in mice: role of nitric oxide <i>in vivo</i> . Immunology 1996, 88:1-5.					
	16	Igietseme. JU, (1996), The Molecular mechanism of T-cell control of <i>Chlamydia</i> in mice; role of nitric oxide. Immunology 1996, 87:1-8.					
	17	Ward, M.E. 1992. Chlamydial vaccines ~ future trends. J. Infection 25, Supp. 1:11-26.					
	18	Caldwell, H.D., et al., (1981). Purification and partial characterization of the major outer membrane protein of Chlamydia trachomatis. Infect. Immun. 31:1161-1176.					
	19	Bavoil, P., Ohlin, A. and Schachter, J., (1984) Role of Disulfide Bonding in Outer Membrane Structure and Permeability in Chlamydia trachomatis. Infect. Immun., 44: 479-485.					
	20	Campos, M., et al., (1995) A <i>Chlamydia</i> Major Outer Membrane Protein Extract as a Trachoma Vaccine Candidate., Invest. Opthalmol. Vis. Sci. <u>36</u> :1477-1491.					
	21	Zhang YX., et al., (1989). Protective monoclonal antibodies to <i>Chlamydia trachomatis</i> serovar- and serogroup-specific major outer membrane protein determinants. Infect. Immun. 57:636-638.					
V	22	Zhang, YX., et al., 1987. Protective monoclonal antibodies recognise epitopes located on the major outer membrane protein of <i>Chlamydia trachomatis</i> . J. Immunol. 138:575-581.					
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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1038-1153 MIS:ac	SERIAL NO. 09/857,305	
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		OTHER DOCUMENTS (Includi	ng Author, Title, Date, Pertinent Pages, Etc.)				
Key	23	variable domains of the major oute	Services, (1989) Nucleotide and amino acid sequences of the four r membrane proteins of <i>Chlamydia trachomatis</i> . Report Nos: PAT-al Information Services, Springfield, VA.				
	24		and deduced amino acid sequences for the four variable domains of sof the 15 Chlamydia trachomatis serovars. Infect. Immun. 57:1040-				
	25		munogenicity of a chimeric peptide corresponding to T-helper and B- homatis major outer membrane protein. J. Exp. Med. 175:227-235.				
	26		u. H., N.G. Watkins. YX. Zhang and H.D. Caldwell (1990). <i>Chlamydia trachomatis</i> -host cell leractions: role of the chlamydial major outer membrane protein as an adhesin. Infect. Immun. 8:1017-1025.				
	27		. Brunham. (1984). In vitro neutralization of Chlamydia trachomatis tope on the major outer membrane protein. Infect. Immun. 46:484-				
	28	Lucero, M.E. and CC. Kuo. (1985). Neutralization of Chlamydia trachomatis cell culture infection by serovar specific monoclonal antibodies. Infect. Immun. 50:595-597.					
	29*	Baehr, W., et al. (1988) Mapping ar membrane protein genes. Proc. Na	ntigenic domains expressed by Chlamydla trachomatis major outer tl. Acad. Sci. USA, 85:4000-4004.				
	30		resolution mapping of serovar-specific and common antigenic imbrane protein of <i>Chlamydia trachomatis</i> . J. Exp. Med. 167:817-				
	31	Identification of type-, subspecies-,	Ward. (1988). Epitope mapping with solid-phase peptides: species-, and genus-reactive antibody binding domains on the major dia trachomatis. Mol. Microbiol. 2:673-679.				
	32		on of recombinant fragments of the major outer membrane protein of tial as subunit vaccines. J. Gen. Microbial. 136: 2013-2020				
	33	Morrison, R.P., D.S. Manning, and I infections. p. 57-84 In T.C. Quinn (e	H.D. Caldwell. (1992). Immunology of <i>Chlamydia trachomatis</i> ed) Sexually transmitted diseases. Raven Press Ltd., NY. 🗶				
	34	Kersten, G.F.A. and Crommelin, D. Biochimica et Biophysica Acta 1241	J.A. (1995). Liposomes and ISCOMs as vaccine formulations. I (1995) 117-138.				
i	35	Morein, B., et al., (1990) The iscom pp. 49-55. 4	- a modern approach to vaccines seminars in Virology, Vol. 1, 1990:				
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FORM PTO-14	INFORMATION DI STATEMENT BY		ATTY. DOCKET NO. 1038-1153 MIS:ac	SERIAL NO. 09/857,305
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		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
~	36*	Mowat & Reid, 1992. Preparation of Immune Stimulating Complexes (ISCOMs) as Adjuvants. Current Protocols in Immunology 1992. Supplement 4: 2.11.1. to 2.11.12.					
\neg	37	M.A. Liu et al. 1995. Ann. N.Y. Acad. Sci. 772. —					
1	38	W.M. McDonnell and F.K. Askari 1996. N.Engl. J. Med. 334:42-45.					
	39	J.B. Ulmer et al. 1993. Science 259:1745-1749. —					
	40	M. Sedegah et al. 1994. Proc. Natl. Acad. Sci. U.S.A. 91:9866.					
	41	A. Darji et al. 1997. Cell 91:765-775.					
	42	D.R. Sizemore, 1997. Vaccine 15:804-807.					
	43	D. O'Callaghan and A. Charbit. 1990. Mol. Gen. Genet. 223:156-158.					
	44	R. Brunham et al. 1994. J. Clin. Invest. 94:458-463. 🗸					
	45	R.P. Morrison et al. 1995. Infect. Immun. 63:4661-4668.					
46 K.Y. Leung et al., 1991, PNAS 88(24):1147-4.							
	47	Hayes L.J. et al., Journal of General Microbiology (1991), 137, 1557-1564.					
	48	Boslego W.J. & Deal D.C. Gonorrhea Vaccines pp. 211-224.					
	49	Ellis W. Ronald (Plotkin & Mortimer) Technologies for Making Vaccines, pp. 568-575.					
	50	American Society for Microbiology May 1989. Abstracts of the Annual Meeting.					
	51	Taylor H.R. et al., Oral Immunization Against Chlamydial 1987, Vol. 28, pp. 249-258					
	52	Rank G.R. et al., Investigation Ophthalmology & Visual Science 1995., Vol. 36, pp. 1344-1351.					
	53	Rank G.R. et al., Infection and Immunity 1990. p. 2599-2605.					
	54	Myers G., Sriprakash S.K. Chlamydia Trachomatis DNA Encodes Homologues of Salmonella. Biology 40.					
	55	Holst O.; Thomas-Oates E.J.; Brade H. Fur. J. Biochem. 222, 183-194 (1994)					
	56	Evans D J; Minor P D; Almond J W. J.Appl.Bacteriol. (69,6,xiii) 1990.					
	57	Brade L. et al., Infection and Immunity . 1987, p. 482-486.					
	58	Ferris S., Antibody responses to the major outer membrane protein of chlamydia trachomatis. P.1-115					
	59	May W.S., Cloning, sequencing and expression of the major outer membrane protein (MOMP) genr of feline chlamydia psittaci and evaluation of the immunogenicity of recombinant momp in mice.					
7-	60	Peterson M.E. Infection and Immunity 1996, p. 3354-3359.					
EXAMINE	R: 4	DATE CONSIDERED: 11/20/23					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication with applicant.

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	6,024,961	15/02/00	Curtiss, III et al			
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FOREIGN PATENT DOCUMENTS

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\		WO 98/10789 V	19/03/98	РСТ				,
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		WO 97/06263	20/02/97	PCT				
		WO 95/12411	05/11/95	PCT				
		WO 94/26900	24/11/94	PCT			•	
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1259	1	Grayston, J.T. and S Infect. Dis., 132: 87-	•	5. New knowledge of ch	nlamydiae an	d the disea	ses they ca	ause. J.
	2	Grayston, J.T., SP. pathogenesis of trac	•	h, and CC. Kuo. 1985 ct. Dis. 7:717-725.	. Importance	of reinfection	on in the	
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	5*	Caldwell, H.D., et al. acute chlamydial cor	1987. Tear and njunctivitis in mo	serum antibody respor nkeys as determined b	nse to <i>chlam</i> y y immunoblo	/dia trachon tting. Infect.	natis antige Immun, 5	ens during 5:93-98.
1ds	6	Wang, SP., et al., 1 Dis. 152:791-800. يو	985. Immunotyp	ping of <i>Chlamydia trach</i>	o <i>matis</i> with i	monocional	antibodies	. J. Infect.
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	13	Starnbach, MN., Bevan, MJ. and Lampe, MF. (1994), Protective Cytotoxic T. Lymphocytes are Induced During Murine Infection with <i>Chlamydia trachomatis</i> , Journal of Immun. 1994, 153:5183-5189.			
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	15	Igietseme, JU, (1996), Molecular mechanism of T-cell control of <i>Chlamydia</i> in mice: role of nitric oxide vivo. Immunology 1996, 88:1-5.			
	16	Igietseme. JU, (1996), The Molecular mechanism of T-cell control of <i>Chlamydia</i> in mice; role of nitric oxide. Immunology 1996, 87:1-8.			
	17	Ward, M.E. 1992. Chlamydial vaccines – future trends. J. Infection 25, Supp. 1:11-26.			
	18	Caldwell, H.D., et al., (1981). Purification and partial characterization of the major outer membrane protein of Chlamydia trachomatis. Infect. Immun. 31:1161-1176.			
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	20	Campos, M., et al., (1995) A <i>Chlamydia</i> Major Outer Membrane Protein Extract as a Trachoma Vaccine Candidate., Invest. Opthalmol. Vis. Sci. <u>36</u> :1477-1491.			
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V	22	Zhang, YX., et al., 1987. Protective monocional antibodies recognise epitopes located on the major outer membrane protein of <i>Chlamydia trachomatis</i> . J. Immunol. 138:575-581.			
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	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
Key	23	variable domains of the major oute	Services, (1989) Nucleotide and amino acid sequences of the four r membrane proteins of <i>Chlamydia trachomatis</i> . Report Nos: PAT-al Information Services, Springfield, VA.			
	24		and deduced amino acid sequences for the four variable domains of s of the 15 Chlamydia trachomatis serovars. Infect. Immun. 57:1040-			
	25		munogenicity of a chimeric peptide corresponding to T-helper and B-homatis major outer membrane protein. J. Exp. Med. I75:227-235.			
	26		and H.D. Caldwell (1990). <i>Chlamydia trachomatis</i> -host cell major outer membrane protein as an adhesin. Infect. Immun.			
	27	Peeling, R., I.W. McClean and R.C. Brunham. (1984). In vitro neutralization of Chiamydia trachomatis with monoclonal antibody to an epitope on the major outer membrane protein. Infect. Immun. 46:484-488.				
	28	Lucero, M.E. and CC. Kuo. (1985). Neutralization of <i>Chlamydia trachomatis</i> cell culture infection by serovar specific monoclonal antibodies. Infect, Immun. 50:595-597.				
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	30	Stephens, R.S., et al. (1988) High-resolution mapping of serovar-specific and common antigenic determinants of the major outer membrane protein of <i>Chlamydia trachomatis</i> . J. Exp. Med. 167:817-831.				
	31	Conlan, J.W., I.N. Clarke and M.E. Ward. (1988). Epitope mapping with solid-phase peptides: Identification of type-, subspecies-, species-, and genus-reactive antibody binding domains on the major outer membrane protein of <i>Chlamydia trachomatis</i> . Mol. Microbiol. 2:673-679.				
	32	Conlan, J.W., et al., (1990). Isolation of recombinant fragments of the major outer membrane protein of Chlamydia trachomatis: their potential as subunit vaccines. J. Gen. Microbial. 136: 2013-2020				
	33	Morrison, R.P., D.S. Manning, and infections. p. 57-84 In T.C. Quinn (e	H.D. Caldwell. (1992). Immunology of <i>Chlamydia trachomatis</i> ed) Sexually transmitted diseases. Raven Press Ltd., NY.			
	34	Kersten, G.F.A. and Crommelin, D. Biochimica et Biophysica Acta 1247	J.A. (1995), Liposomes and ISCOMs as vaccine formulations. I (1995) 117-138.			
d'	Morein, B., et al., (1990) The iscom - a modern approach to vaccines seminars in Virology, Vol. 1, 1990 pp. 49-55.					
EXAMINER: DATE CONSIDERED: 11/2/16/3		DATE CONSIDERED: 11/28/23				

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FORM PTO-1449 US TEATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1038-1153 MIS:ac	SERIAL NO. 09/857,305
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		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	36*				
1	36"	Mowat & Reid, 1992, Preparation of Immune Stimulating Complexes (ISCOMs) as Adjuvants. Current Protocols in Immunology 1992, Supplement 4: 2.11.1, to 2.11.12.			
	37	M.A. Liu et al. 1995, Ann. N.Y. Acad. Sci. 772. C			
	38	W.M. McDonnell and F.K. Askari 1996, N.Engl. J. Med, 334:42-45.			
	39	J.B. Ulmer et al. 1993. Science 259:1745-1749. —			
• [40	M. Sedegah et al. 1994. Proc. Natl. Acad. Sci. U.S.A. 91:9866. —			
	41	A. Darji et al. 1997. Cell 91:765-775.			
	42	D.R. Sizemore, 1997. Vaccine 15:804-807.			
	43	D. O'Callaghan and A. Charbit. 1990. Mol. Gen. Genet. 223:156-158.			
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	47	Hayes L.J. et al., Journal of General Microbiology (1991), 137, 1557-1564.			
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	49	Ellis W. Ronald (Plotkin & Mortimer) Technologies for Making Vaccines. pp. 568-575.			
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	52	Rank G.R. et al., Investigation Ophthalmology & Visual Science 1995., Vol. 36, pp. 1344-1351.			
53		Rank G.R. et al., Infection and Immunity 1990. p. 2599-2605.			
Myers G., Sriprakash S.K. Chlamydia Trachomatis DNA Encodes Homologues of Salmonella 40.					
	55	Holst O.; Thomas-Oates E.J.; Brade H. Fur. J. Biochem. 222, 183-194 (1994)			
	56	Evans D J; Minor P D; Almond J W. J.Appl.Bacteriol. (69,6,xiii) 1990.			
57 Brade L. et al., Infection and Immunity , 1987, p. 482-486.		Brade L. et al., Infection and Immunity , 1987, p. 482-486.			
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	May W.S., Cloning, sequencing and expression of the major outer membrane protein (MOMP) of feline chlamydia psittaci and evaluation of the immunogenicity of recombinant momp in mice.				
1-	60	Peterson M.E. Infection and Immunity 1996, p. 3354-3359.			
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